

"Molecular and Clinical Aspects of Developing Neural Systems"

Jerusalem, Israel June 19-24, 1988

International Society for Developmental Neuroscience

**MEETING SUMMARY**

This will be a multidisciplinary meeting of developmental neuroscientists to be held in Israel in June of 1988. It will consist of two parts: 1) a series of "Pre-meeting Workshops" to be held prior to the main meeting (June 19-21) at Kibbutzim in the vicinity of Jerusalem and 2) The main meeting to be held in Jerusalem (June 21-24).

This meeting will focus on bridging the gap between basic molecular and cellular approaches to the developing nervous system and the study of neurological disorders of known ontogenetic etiology. It is hoped that this combination of basic developmental neuroscientists and researchers in more clinically oriented fields will help to generate new approaches to the study of normal and abnormal neural ontogeny.

**ORGANIZATION**

Location, dates, facilities:

Pre-meeting Workshops: Kibbutz guest houses at various locations in the general vicinity of Jerusalem  
(June 19-21, 1988)

Main meeting: The Hilton Hotel, Jerusalem (June 21-24, 1988)

Organizers:

Program Committee: E. Yavin (Chair), A. Bjorklund, J. De Vellis, G. Gombos, B. Haber, A. Lajtha, J. Lauder, N. Le Douarin, A. Moscona, P. Nelson, H. Thoenen

Local Committee: A. Shahar (Chair), O. Abramski, U. Littauer, D. Michaelson, S. Sampson, R. Simantov, M. Soreq, M. Youdim, E. Yavin, J. Yanai, S. Harel

## REQUEST FOR FUNDS

We are requesting \$5,000 to help defray travel expenses for 10 speakers (at \$ 500. each) for the following Pre-meeting Workshop:

### Vascular and hypoxic insults in the developing brain:

Organizers: E. Yavin (Rehovot); S. Harel (Tel Aviv)

Speakers: K. Hossman (Koln), G. Duc (Zurich), N. Bazan (New Orleans), M. Vladimiroff (Rotterdam), R. Meyers (Cincinnati), H. Sarnat (Calgary), S. Siesjo (Lund), L. Stern (Providence), S. Yaffe (Bethesda), P. Evrard (Bruxelles), K. Nelson (Bethesda), L. Dubowitz (London), J. Volpe (St. Louis), A. Minkowski (Paris)

This workshop will focus on cell energy metabolism, oxygen requirements and cerebral blood flow in prenatal, perinatal and postnatal life in both laboratory animals and humans. Experimental models for hypoxia/ischemia will be presented and the use of forefront techniques such as ultrasound, CT-scan, NMR and Petscan for assessment of the magnitude of such insults will be discussed. Prevention, treatment, and follow-up of human subjects will be discussed by an international panel of clinicians.

This Workshop is relevant to the aims of the Council for Tobacco Research since it will discuss the effects of vascular and hypoxic insults on neural ontogeny, some of the same processes which may underly effects of maternal smoking on fetal brain development.